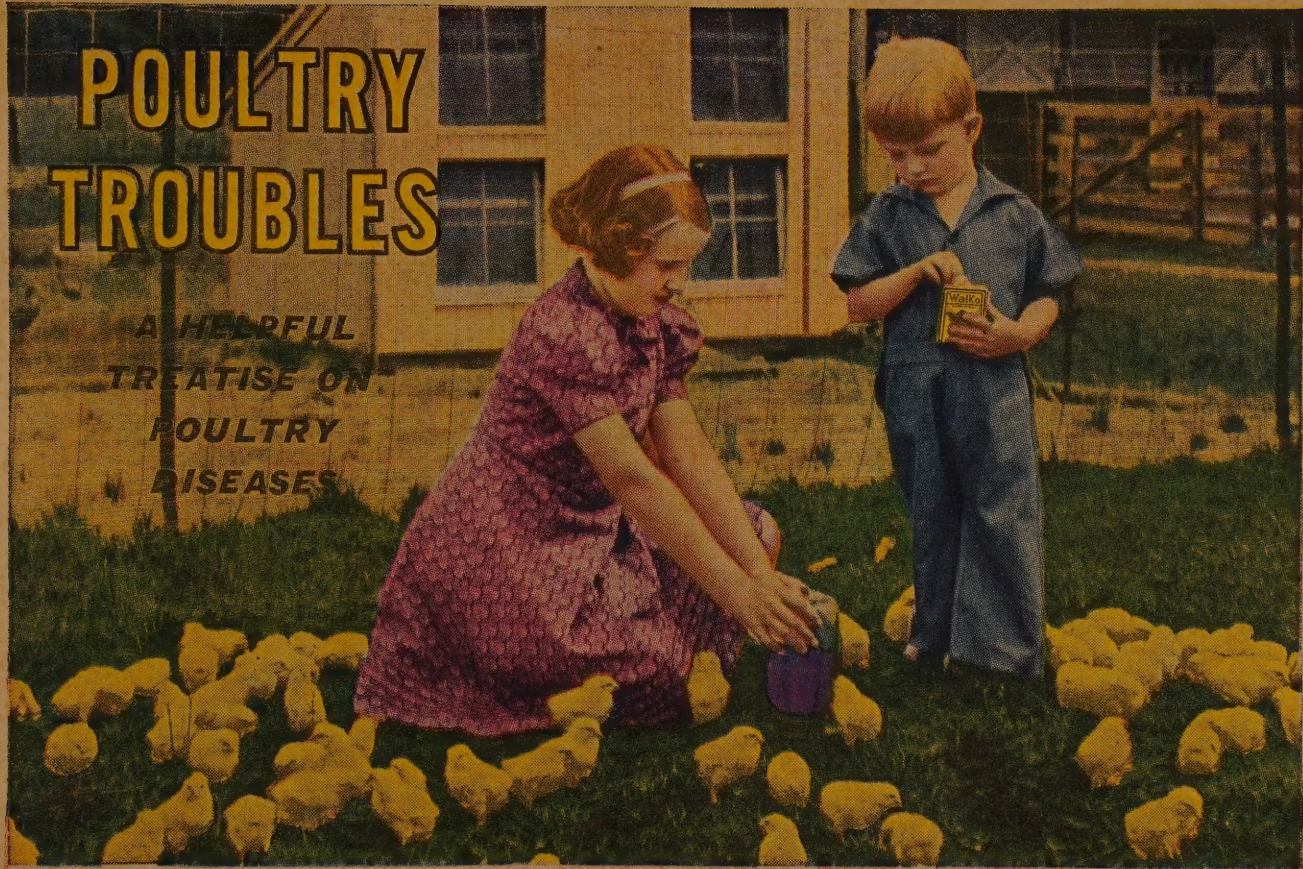


POULTRY TROUBLES

A HELPFUL
TREATISE ON
POULTRY
DISEASES



POULTRY TROUBLES

OR OBSTACLES THAT CONFRONT THE POULTRY RAISER

BY D. J. WALKER,

President Walker Remedy Company, Waterloo, Iowa



THIS booklet contains information of value to every poultry raiser. We have tried to make it clear and concise and leave it with you in hopes that it will assist you in solving some of your poultry troubles. We hope you will read it carefully and miss none of the good things.

The vital questions, which mean dollars to you, are: How can you make poultry raising more profitable; how can you keep your flock healthy and active; how can you protect your little chicks and mature birds from the ravages of disease?

We are interested in helping you make the greatest possible success with your poultry and it is to help you solve your poultry problems that we are sending you this booklet.

We mention first what is undoubtedly most common of all poultry troubles—**Diseases Among Baby Chicks.**



Simple Diarrhea

DIARRHEA or loose bowel trouble among baby chicks is a disease with which nearly every poultry raiser has to contend and the most successful are those who best understand how to guard against it. This dread disease may be caused by cold damp weather, sudden changes, or impure water; it may also be the result of indigestion, usually caused by feeding too soon after hatching, overfeeding or improper feed.

The first ten days to two weeks is the most dangerous period in the little chick's life. Aside from the causes mentioned above, there is the constant danger of their picking up germs and infection with their feed or through the drinking water. Many poultry raisers lose from one-half to two-thirds of their hatch, while the loss of an entire hatch is by no means uncommon. In view of the fact that you have no way of telling, until too late, whether or not your chicks are infected, it is important that you use every practical method of prevention. Be particular that your chicks are housed in dry quarters, well ventilated, yet free from drafts, and fed from clean containers. Wash drinking fountains thoroughly each day.

The best control methods for simple diarrhea demand the use of remedies that will tend to keep the entire digestive tract in a normal, healthy condition. Use

Walko Tablets in all drinking water, 2 to 4 to each quart, and reduce the feed.

If you have a hatch of chicks coming off, you should be prepared to give them **Walko Tablets** in their first drinking water. Don't wait until you have lost half or two-thirds of your hatch. Give **Walko Tablets** in all drinking water from the time the chicks are out of the shell. You will find them a wonderful help in raising baby chicks.

Don't hesitate to try a 50c or \$1.00 box on our guarantee. We will refund your money promptly if, with reasonable care and feeding, you fail to get satisfactory results. We say "with reasonable care and feeding," because we want you to have the best possible success and you can't do this under unfavorable conditions.

If you have any unusual trouble among your chicks write us immediately telling us how your chicks are affected, how soon after hatching you fed them, what you fed them, and just how you used **Walko Tablets**. With this information we can usually help you determine the cause of your trouble.

Read what Mrs. Ethel Rhodes of Shenandoah, Iowa, says:

"Last spring my first incubator chicks, when but a few days old, began to die by the dozens with simple diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally I tried **Walko Tablets**. They're just the only thing for this dread disease. We raised 700 thrifty, healthy chicks where before we never raised more than 100 a year."



Coccidiosis

COCCIDIOSIS is a protozoan disease caused by *Coccidia*, of which there are several types. These coccidia are present in the droppings of infected birds and will spread rapidly through an entire flock unless strict control measures are used.

One of the first symptoms of this disease is droopiness appearing in chicks three weeks to one month old, accompanied by bloody diarrhea. Post mortem examination shows spotted liver, intestines bloody, thickened or inflamed.

There is no recognized cure for birds with coccidiosis, but we believe much can be done in the way of control. All affected birds should be separated from the rest of the flock. Burn those badly affected. Clean and thoroughly disinfect all premises. If possible move healthy birds to clean quarters.

Control Measures which we recommend: Use **Walko Tablets** in all drinking water, 2 to 4 to each quart. Take away all feed, giving only sour milk (in glass, porcelain or earthenware). Do not use **Walko Tablets** in milk. You will find **Walko Tablets** a great help in controlling this disease.



Baby Chick affected with Coccidiosis

Mrs. C. M. Bradshaw, Diagonal, Iowa, writes:

"I see reports of so many losing their little chicks. I used to lose a great many of the little downy fellows, tried many remedies and was about discouraged. As a last resort I tried Walko Tablets. I raised 300 White Wyandottes and never lost one or had one sick after using the Tablets and my chicks were larger and healthier than ever before."



Bacillary White Diarrhea

(Pullorum Disease)

BACILLARY White Diarrhea is caused by Bacterium (*Salmonella pullorum*). The germs may be transmitted from infected hens through the yolk of the egg, or through the droppings of infected chicks.

The first symptoms are droopy wings, vent pasted up with a whitish discharge, ball shaped bodies, frequent sharp cries, and high death rate.

As there is no known cure for this disease every effort should be made to control it or it may take your entire flock. Separate all diseased birds and burn those badly affected. Clean and disinfect all houses and premises.

Control Measures: Use Walko Tablets in all drinking water, 2 to 4 to each quart. Feed mostly sour milk (in glass, porcelain or earthenware); give other feed sparingly. Do not use Walko Tablets in milk.



Mr. C. A. Waterbury, Chatham Center, N. Y. says:

"I have used Walko Tablets for the past three years and have lost but few chicks since using them. Not only are Walko Tablets worth their weight in gold as an aid in combatting disease, but I consider them valuable in bringing chicks to maturity quicker and in a much stronger condition. I also believe where Walko Tablets are used until chicks are three or four months old, by keeping them in better condition, higher egg records are possible."

Care of Baby Chicks

Feeding: Too much importance can not be attached to the necessity of proper feeding. Chicks are supplied with a portion of the yolk sufficient for sustenance for the first few days after leaving the shell. If for any cause they fail to absorb this yolk it is almost certain to create a condition obstinate in the extreme from which thousands of little chicks die every year. For this reason baby chicks must not be fed too soon after hatching.

While various methods and rations are prescribed and followed by successful poultry raisers, we recommend the following methods and rations as certain to give satisfactory results:

Use **Walko Tablets** in all drinking water from the time chicks are out of the shell. On the second day give light feedings of sour milk. After chicks are 48 hours old feed sparingly of rolled oats, 4 or 5 times a day, just enough at each feeding so the chicks will clean it up in a short interval. Be sure not to overfeed. Continue to give sour milk once or twice a day and use **Walko Tablets** in all drinking water. Do not use **Walko Tablets** in milk.

After the chicks are 6 to 7 days old a little commercial chick feed may be added to the ration, gradually increasing in proportion as the chicks grow older. Be

sure this feed does not contain too much grit. Chicks should be supplied with plenty of tender leafy green feed.

Brooding: Chicks must not be over-crowded. Allow 100 square feet of space for every 300 chicks. The temperature in the brooder should be from 90 to 95 degrees for the first two or three days. Decrease gradually until by the third week the temperature is around 80.

We want to emphasize Prevention as the economical way of controlling disease. You will find **Walko Tablets** a great help in the prevention and control of baby chick troubles.

The foregoing suggestions are thoroughly practicable—not mere theories, but methods followed by some of our most successful poultry raisers. You will find them very helpful, but we want especially to impress upon you the importance of the following DON'TS:

Don't try to raise chicks in cold damp quarters.

Don't feed too soon after hatching.

Don't overfeed—feed sparingly 4 or 5 times a day.

Don't feed too much corn—feed plenty of milk, rolled oats and other light feed.

Don't wait until disease has taken half or two-thirds of your hatch; don't let it get started. Use preventive methods; use **Walko Tablets** in all drinking water from the time chicks are out of the shell.



Here is the Baby Chick's Best Friend Walko Tablets

ESPECIALLY valuable for the prevention of Diarrhea and Loose Bowel Trouble among Baby Chicks. They tend to prevent digestive disturbances and should be given in all drinking water from the time chicks are hatched. **Walko Tablets** are also recommended as a control measure during infectious diseases; and for the swellings of Roup in the head and Simple Catarrh among older birds.

Sold in 50c and \$1.00 packages

Special extra size packages for large breeders—\$2.50 and \$4.00

*(The \$2.50 package is $4\frac{1}{4}$ times as large as the \$1.00 size,
and the \$4.00 size is twice as large as the \$2.50 package.)*



"I have been raising chicks for 35 years and have never used any remedy but Walko Tablets. I always have good results when using the Tablets, often raising 100% of my chicks. I also find Walko Tablets splendid for Roup in older birds."

Joseph Heel, Harvey, Illinois.

"To date we have 700 chicks. We began from the very first to use Walko Tablets and have yet to find our first chick with any signs of diarrhea. Walko Tablets are great and I would not think of being without them."

Melvin Mayes, Armstrong Poultry Farm,

Fleischmanns, N. Y.



"I received the Walko Tablets you sent me some time ago and am here to say there is nothing like them for diarrhea and bowel trouble. They are simply a God-send to poultry raisers. I can not praise them enough. Last year I lost 196 little poults with this dreadful disease while this year I have not lost a single one from disease of any kind. I have 178 lovely young turkeys all doing fine. They have feathered out much sooner than usual and I know it's Walko Tablets that helped them along."

Mrs. Rose V. Metzgar, Sangudo, Alberta, Canada.

"Having used Walko Tablets for about 10 years for my baby chicks I find I can not do without them. My losses are very small; I seldom lose a chick. I use Walko Tablets in all drinking water for two weeks and give no other water."

Mrs. Luther Tavenner, West Chester, Pa.

"I used your Walko Tablets last year and they sure brought my chicks out fine. My chicks had diarrhea so bad I was afraid I was going to lose all of them. Then I saw your ad so sent for a box of Walko Tablets. I started using them at once in the drinking water and the chicks stopped dying. I do not want to be without Walko Tablets any more."

Mrs. Edw. Eisenbarth, Torrington, Wyo.

"I have used your Walko Tablets for my baby chicks for 10 years and seldom lose a chick. Last winter my pullets caught cold. I got some of your Walko Tablets. Lost 12 birds before I received the Tablets but the rest were all saved."

Mrs. Amanda Hale,
Hope Valley, R. I.



Diseases of Older Birds

Colds and Simple Catarrh

Symptoms: Watery eyes, sneezing and wheezing; brought on by cold damp weather, exposure, drafts, sudden changes, crowding, exposure to infected birds and unsanitary conditions. Much may be done by control methods.

Control Methods: Use Walko Tablets in all drinking water (2 to 4 to each quart) as an aid in the prevention of the disease. For badly affected birds dip the heads in a solution of 8 to 10 Walko Tablets dissolved in a pint of pure water, being particular that the medicine is forced well up into the eyes and nostrils. Keep all premises dry and strictly sanitary.

Mrs. W. H. Allen, Alpine, Alabama, writes:

"I have used your Walko Tablets for several years and don't think I could raise chickens without them. I raise chicks the year around. I have friers in the yard now and I attribute my success to your Walko Tablets."



Roup

ROUPE may develop from colds and simple catarrh, or it may be caused by drafts, sudden changes or exposure. The early symptoms are a watery discharge from the nostrils and eyes. This condition is characterized by sneezing and mouth breathing, dullness, cheesy matter around the eyes, and nostrils, head swollen and an offensive odor.

Control Measures: As this discharge soon contaminates the drinking water and litter, strict control measures must be adopted. Use **Walko Tablets** in all drinking water. Isolate the affected birds in clean, dry, warm quarters. Disinfect all premises.

For the swellings of Roup dip the heads in a solution of 20 **Walko Tablets** to a pint of pure water; be particular that the medicine is forced well up into the nostrils and eyes. Instead of dipping, a small clean syringe may be used. You will find **Walko Tablets** helpful in controlling this disease. The following letter from a successful poultry raiser is stronger than any claims we can make:

"You may use the following statement; it will help others. I raise several hundred chicks every year. The last two years I lost a good many dollars worth. My birds had colds, swollen heads and watery eyes. I tried many remedies, none of them successful, so took to using the hatchet, but found this method costly. Finally I tried **Walko Tablets** and out of 96 hens that were badly affected I saved all but 3. I can't speak too strongly for this remedy. It certainly does the work."

Mrs. Nellie Herron, Eagleville, Mo.



Bird Affected with Roup



Worms

(Round and Tape Worms)

WORMS reduce the vitality of your birds and render them more susceptible to disease, make them hard to fatten for market, cut down egg production and may cause death.

Round Worms (*Ascaridia Lineata*) are intestinal parasites.

Symptoms: General unthriftiness; drooping or sagging wings; emaciation; loss of appetite; and diarrhea.

Control Measures: Use Walko Worm Treatment; clean the yards, burn or destroy all droppings so they will not re-infest. Keep the premises and litter dry and clean.

Symptoms of Tape Worms: General unthriftiness; wry neck; loss of equilibrium; duck or penguin-like posture; lameness and paralysis. Infestation of Tape Worms comes through intermediate host such as insects, flies or beetles, which harbor the larvae of the Tape Worm.

Control Measures same as for Round Worms: use Walko Worm Treatment; clean the yards, burn or destroy all droppings so they will not re-infest. Keep the premises and litter dry and clean.

The following statement is our most convincing evidence of the merits of Walko Worm Treatment:



Bird Infested with Worms

"I hear a great many reports of losses from worms among poultry. Presence of worms in older birds is usually indicated by loss of weight, pale combs, rough feathers, leg weakness, and unthrifty condition generally. Our bronze turkeys did not have as good an appearance as we thought they should and they were not holding up in weight. We gave them Walko Worm Treatment and it was astounding the amount of worms expelled. I think there was a species of every kind of worm that we ever read about. Our turkeys have made a marked improvement since the day of worming and we have never had a flock with more vim and vitality. We have found it just as effective with our Buff Rock chickens and other poultry."

Mr. L. G. Clipp, Golden Plume Poultry Farm,
Campbellsburg, Indiana.

Lice and Mites

LICE and Mites cause a general unthrifty condition, decrease egg production, lower resistance, increase susceptibility to disease; extreme infestation may even cause death.

Control Methods: Use **Walko Lice Powder**, a scientific formula based on Sodium Fluoride. (Sodium Fluoride is recommended by the U. S. Dept. of Agriculture as an effective lice killer). Furnish your birds with dust baths sprinkled freely with Walko Lice Powder.

To control mites it is necessary to spray the buildings thoroughly, getting well into all cracks and crevices. Mites live in such places, coming out at night to feed on the birds. Kerosene emulsion or crude petroleum may be used as a spray. When this has been done, whitewash the entire buildings, roosts and nests, filling in the crevices where mites can breed. Use **Walko Lice Powder** on the birds.

WALKO SPECIAL LICE POWDER

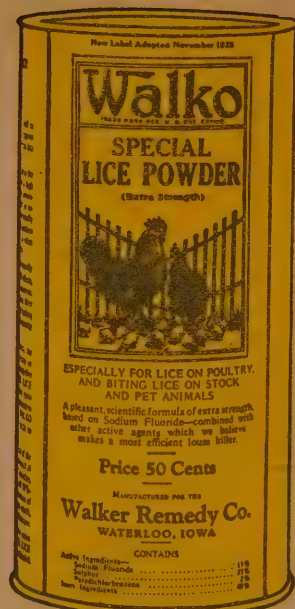
Save your birds, young and old, and insure your poultry profits by getting a can of **Walko Lice Powder**—now—from your druggist or poultry supply dealer.

Amazed how quickly Walko Lice Powder destroyed lice

"I hear of the trouble and losses others have in their flocks because of lice and I want to tell my experience. I used to wonder if there wasn't some way to kill lice but was never successful until a friend told me of the wonderful results she had had with Walko Lice Powder, so I tried it. I took the

louisiest hen I had, dusted a little of the powder into the feathers and much to my amazement, before completing the job my apron was literally covered with dead lice. It acts just that quick. It is certainly wonderful how quickly it destroys lice."

Mrs. Herb Porter, Fayette, Iowa.



Nutritional Diseases

Rickets and Polyneuritis

NUTRITIONAL diseases are more likely to occur during the winter months when birds are fed chiefly on grain. These diseases are caused by lack of the different Vitamins: Vitamin A, present in green feed, yellow corn and good alfalfa hay. Vitamin B, green feed, yeast, milk and fruits. Vitamin D, supplied by cod liver oil and sunshine.

Rickets is the most common nutritional disease. It is caused by lack of Vitamin D. The characteristic symptom is leg weakness or paralysis.

Deficiency of Vitamin B will sometimes cause polyneuritis. This is characterized by extreme nervousness, inability to coördinate muscular movements and oftentimes paralysis of the legs and neck muscles.

To control these troubles supply the above Vitamins by giving well balanced rations of grain, green feed, sprouted oats, alfalfa, yellow corn, sour milk, and allowing your birds plenty of sunshine.

Do not feed too much corn, millet and the like, as this causes the old birds to become over-fat and drop off suddenly when apparently well. There may be signs of loose bowel trouble. The birds seldom die when in action, but drop off the roost or die on the nest. Birds in this condition should be shut away from all

corn, millet or other heavy feed, giving alfalfa and other green feed, sour milk, and light feedings of scratch feed. See that your birds get plenty of exercise. Use Walko Tablets in all drinking water.

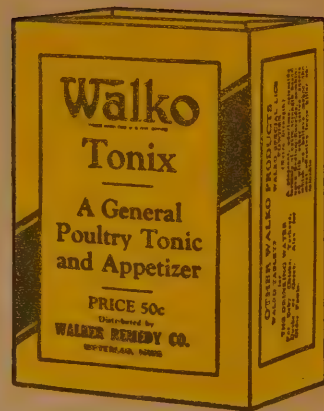
Walko Tonix should be given in the feed. It promotes digestion, stimulates the liver and other functions and will be found helpful in getting your birds back to normal.

Walko Tonix will assist in keeping your birds in the pink of condition, which means greater egg production.

Price 50c Extra large package \$1.00
(The \$1.00 package will last 100 birds from 4 to 6 weeks)

Mrs. C. C. Hagar, Huntsville, Missouri, says:

"One can't afford to keep hens that are not working. For a time my birds were not doing well; feathers were rough, combs pale, and only a few laying. I began using Walko Tonix and I could see a change right away. Their feathers became smooth and glossy; combs red, and they began laying. I had been getting only a few eggs a day. Now I get five dozen. My pullets hatched in March are laying fine."





Sanitation and Prevention

SUCCESSFUL management of the poultry flock is in a large measure dependent upon sanitation. All well directed efforts to prevent or relieve disease or the spread of disease come under this heading. The larger the flock—the more limited the range—the more intensive the poultry operations—the more vital the necessity of exercising every sanitary precaution.

Drinking fountains and litter are the most common mediums for the spread of disease. All fountains should be washed and scalded daily. Arrange them so that no dirt or litter can be scratched into the water.

Houses and runs should be located on well drained ground. Stagnant water and cold damp ground are the source of much trouble. Be sure your birds have plenty of sunshine, but provide ample shade during hot weather. Houses should be well ventilated but free from drafts. Supply clean dry litter and keep the buildings well disinfected. Move birds to fresh ground frequently. If this cannot be done, plow under the old yards, lime, and seed them to green feed.

Control lice, mites and worms; they lower vitality of your birds and make them susceptible to disease.

Isolate birds during infectious diseases and use **Walko Tablets** in all drinking water.

"I have been in the poultry business for many years and have lost my share of chicks from simple diarrhea and loose bowel trouble. Some years ago I started using Walko Tablets for my baby chicks. Since that time I have never been without them. I have raised as high as 500 chicks without losing a single chick from simple diarrhea. I consider them a great help in keeping chicks healthy and vigorous. My experience has been that our chicks develop quicker and feather earlier."

Mrs. L. L. Tam, Burnettsville, Ind.

"I sold eggs to several neighbors last year and they, like myself, had good success with their hatches, but I raised 60 per cent more chicks than they because I used Walko Tablets. I never lost one from bowel trouble. Walko Tablets are the greatest little chick saver I ever used."

Mrs. Norman Foster,
Alpha, Illinois.





Read What Others Say About Walko Products

"I have never found anything that gives the splendid results that I get from Walko Tablets. Before I started using the Tablets I always lost from one-half to three-fourths of my baby chicks. This year I raised 180 and never had one sick. I can't raise baby chicks without Walko Tablets."

J. F. Buckley, Wallingford, Kentucky.

"I have used Walko Tablets for 12 years and have had the best of success raising baby chicks. I raise 98 out of 100 chicks hatched."

Mrs. Louisa Mackrodt, Dayton, Ohio.

"I have used Walko Tablets for the past 5 years. I raise prize poultry and can't afford to lose any. I give them Walko Tablets from the day they are hatched until they go on range and I raise 99% of my chicks." Mrs. B. C. Schill, Melrose Park, Ill.

Here's what Mrs. C. C. Burnette, High Springs, Florida, says of Walko Tonix: "My hens wouldn't lay; their feathers were rough, their combs pale and I was only getting one and two eggs a day. I sent for a package of Walko Tonix and started

giving it and could see a change right away. In two weeks I was getting three dozen eggs a day."

"I have been using Walko Tablets for 25 years. Last year I had 525 chicks and did not lose any from diarrhea or bowel trouble. I keep Walko Tablets in the water until the chicks are about 16 weeks old, and always have a good healthy bunch of pullets which produce nearly 100% at laying time."

Mr. P. M. Senk,

Senk's Poultry Farm, Dover Plains, N. Y.

"I have been using Walko Tablets for more than 15 years. My loss from disease is very small, almost zero. I raise from 300 to 500 chicks each year." Mrs. J. A. Cave, Cyrene, Missouri.

"Enclosed find \$1.00 for another box of Walko Worm Treatment. I sure had great results with our turkeys. Our greatest result was with the Tape worm, but oh! we got all kinds of worms and a lot of them. I am sure we will have a fine bunch of turkeys for market after getting rid of so many worms." Mrs. O. C. English, Glendale, Arizona.

Walko

POULTRY REMEDIES

WALKO TABLETS for Baby Chicks are sold in 50c and \$1.00 size packages. Special extra size packages for large breeders, \$2.50 and \$4.00.

(The \$2.50 package is 4¼ times as large as the \$1.00 size, and the \$4.00 size is twice as large as the \$2.50 package.)

WALKO TONIX is a concentrated poultry tonic, put up in powdered form. Regular sizes, 50c and \$1.00; breeders' sizes, \$2.75 and \$5.00. Considering the dose, you will find these remedies quite inexpensive.

WALKO WORM TREATMENT, to be used in the treatment of fowls against worms. Chick size 50c; Adult size 50c & \$1.00.

WALKO SPECIAL LICE POWDER is a pleasant, odorless, scientific formula of extra strength, based upon Sodium Fluoride, which we believe makes one of the most efficient louse killers obtainable. Large size package 50c.

While this booklet refers to the treatment of diseases among chickens, you will find these remedies just as valuable for turkeys, geese, ducks or pigeons.

Every package bears the name "WALKER REMEDY Co." and is guaranteed to give entire satisfaction when used according to directions. Accept no substitute or imitations. If your dealer does not handle the genuine, send money order, bank draft or personal check to the WALKER REMEDY Co., Waterloo, Iowa, and you will receive the remedy by return mail, postpaid.

WALKER REMEDY COMPANY, Waterloo, Iowa

Walko POULTRY REMEDIES ARE SOLD
ON MONEY-BACK GUARANTEE BY ALL LEADING
DRUGGISTS AND POULTRY SUPPLY DEALERS



**W. H. PHELPS,
EAST CORONDELET, ILL.**